

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	18 June 2025
Team ID	LTVIP2025TMID52391
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	R.Harshitha
Sprint-1	Data Collection	USN-2	In data collection, we gather and save relevant housing data.	1	High	S.Pushpanjali
Sprint-2	Worksheet	USN-1	In the worksheet phase, we build individual data visualizations in Tableau using the cleaned dataset.	2	Low	R.Harshitha
Sprint-1	Data Preprocessing	USN-2	In data preprocessing, we clean, transform, and organize raw data to make it ready for analysis and visualization.	2	Medium	S.Pushpanjali
Sprint-1	Login	USN-1	As a user, I can log into the application by entering email & password	2	High	R.Harshitha
Sprint-2	Dashboard	USN-2	In the dashboard phase, we combine worksheets to create an interactive visual summary of insights.	2	High	S.Pushpanjali
Sprint-2	Story	USN-2	In the story phase, we sequence dashboards and visualizations to narrate insights effectively to the audience.	2	High	S.Pushpanjali
Sprint-1	Converting Numerical to Categorical Values	USN-1	Converting numerical to categorical values involves grouping numbers into labeled categories for better analysis and visualization.	1	Medium	R.Harshitha

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	2 June 2025	7 June 2025	20	7 June 2025
Sprint-2	20	6 Days	9 June 2025	14 June 2025	20	14 June 2025
Sprint-3	20	6 Days	16 June 2025	21 June 2025	20	21 June 2025
Sprint-4	20	6 Days	23 June 2025	28 June 2025	20	28 June 2025

Velocity:

Each sprint completed 20 story points.

Total sprints = 4.

Total story points = 80.

$$AV = \text{Sprint Duration} / \text{Velocity}$$

$$= 80 / 4 = 20 \text{ SP/Sprint}$$

Average velocity = 20 SP/Sprint.

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>
<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management>
<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>
<https://www.atlassian.com/agile/tutorials/epics>
<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>
<https://www.atlassian.com/agile/tutorials/burndown-charts>